

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/037687 A2

(51) International Patent Classification⁷: **B65G**

(21) International Application Number:
PCT/US2004/034233

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/511,012	14 October 2003 (14.10.2003)	US
60/545,106	17 February 2004 (17.02.2004)	US
60/592,994	30 July 2004 (30.07.2004)	US

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and
(72) Inventor: MANI, Ayyakannu [US/US]; 5346 Hertford, Troy, MI 48085 (US).

(74) Agent: LEONARD, Michael, S.; Everest Intellectual Property Law Group, P.O. Box 708, Northbrook, IL 60065 (US).

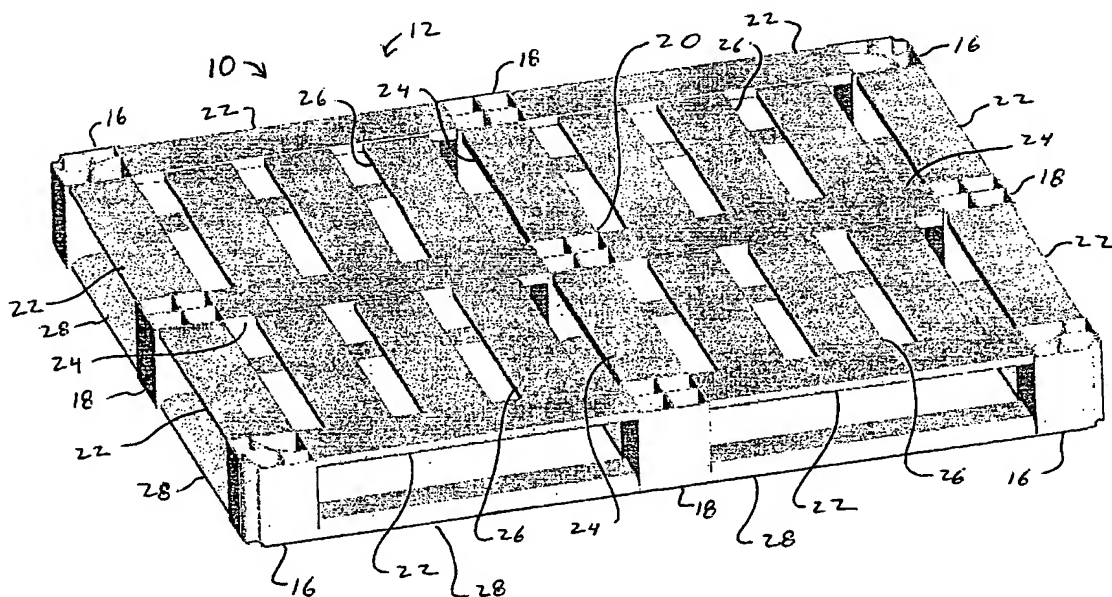
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PALLETS



(57) Abstract: The present invention provides enhanced pallets. The pallets may be aluminum extruded pallets having a plurality of hollow blocks and a plurality of hollow cross members. The blocks and cross members are welded together to form a pallet. The blocks and cross members may have internal wall structures which form one or more crush cells or crush zones. The crush cells or crush zones deform in a controlled manner on impact to reduce impact damage to the pallets. The pallets have a high load strength supporting capability and allow the pallets to withstand repeated or severe impacts while remaining functional.

WO 2005/037687 A2